

Title (en)
SINGLE FREQUENCY RADIO TRANSMISSION SYSTEM

Publication
EP 0401974 A3 19911023 (EN)

Application
EP 90304884 A 19900504

Priority
GB 8910997 A 19890512

Abstract (en)
[origin: EP0401974A2] A radio transmission system designed to operated on a single defined frequency channel. The system comprises a central receiver (12), at least one transmitter (14) remote from the receiver and a plurality of repeaters (13) arranged in zones (Z1 to Zn) around the receiver. Each repeater can receive a signal from a transmitter and re-transmit the message so that it eventually reaches the receiver by way of one or more repeaters. The system includes protection means for protecting the message against loss or corruption, for example by using unique time delays before re-transmission or by addressing a certain sequence of repeaters with alternate paths being provided to guard against the message being lost.

IPC 1-7
H04B 7/155

IPC 8 full level
H04B 7/15 (2006.01)

CPC (source: EP US)
H04B 7/155 (2013.01 - EP US)

Citation (search report)
• [X] EP 0086865 A2 19830831 - BOSCH GMBH ROBERT [DE]
• [A] EP 0013316 A1 19800723 - BOSCH GMBH ROBERT [DE]
• [A] DE 3210298 A1 19830929 - BOSCH GMBH ROBERT [DE]
• [X] IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, vol. VT-19, no. 1, February 1970, pages 69-73, New York, US; F.B. WOODWORTH: "A total highway communications system using F1-F1 repeaters"

Cited by
EP3035762A4; FR2786649A1; EP0704991A1; GB2365698A; US6950413B1; US5455569A; EP2453641A4; US5369784A; EP0526388A3; EP2930861A1; US10091823B2; WO9813953A1

Designated contracting state (EPC)
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